



Appl. No. 09/920,981
Amendment Dated Dec. 16, 2004
Reply to Office Action of July 28, 2004
Replacement Sheet

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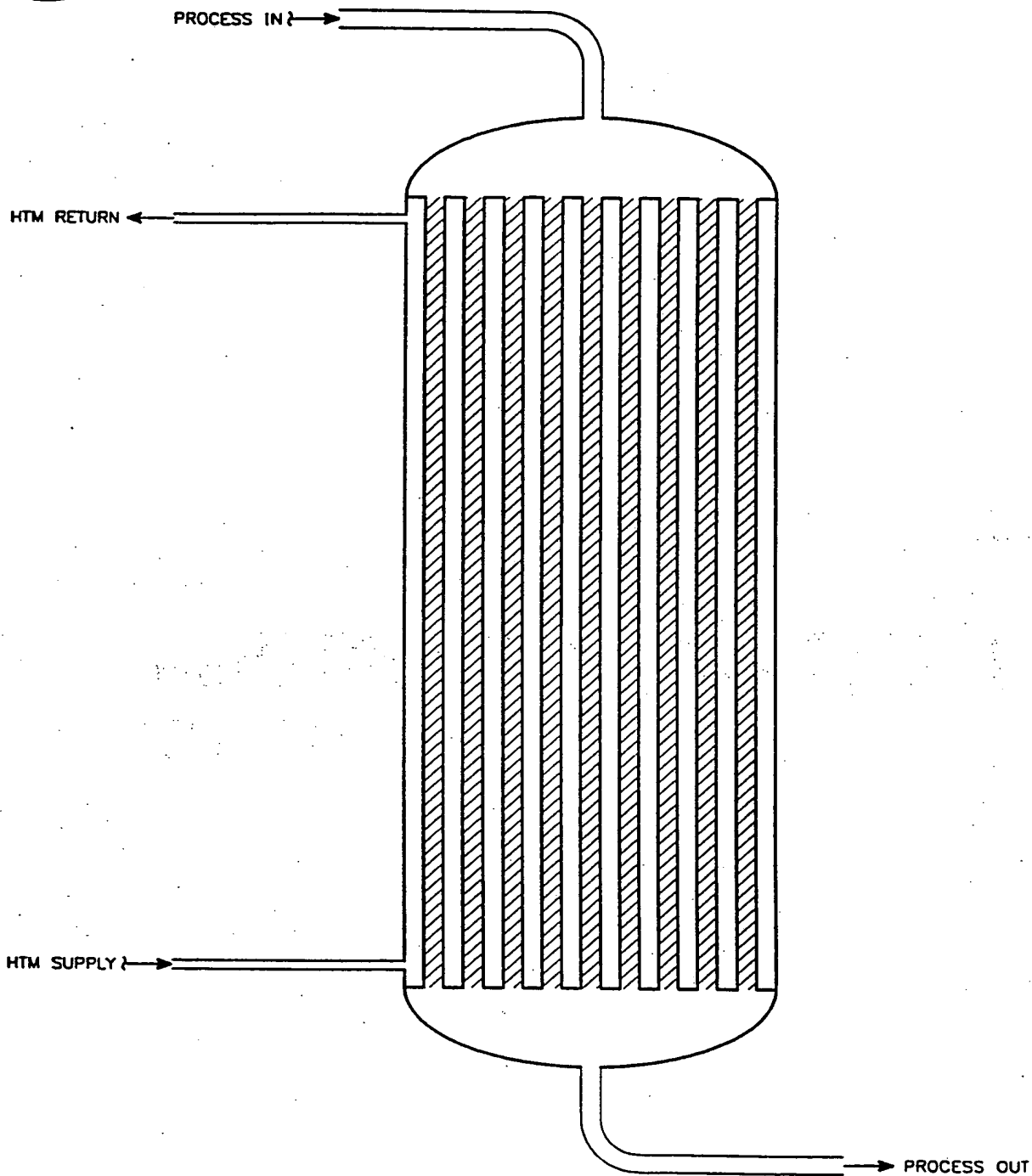


FIGURE 1

PRIOR ART

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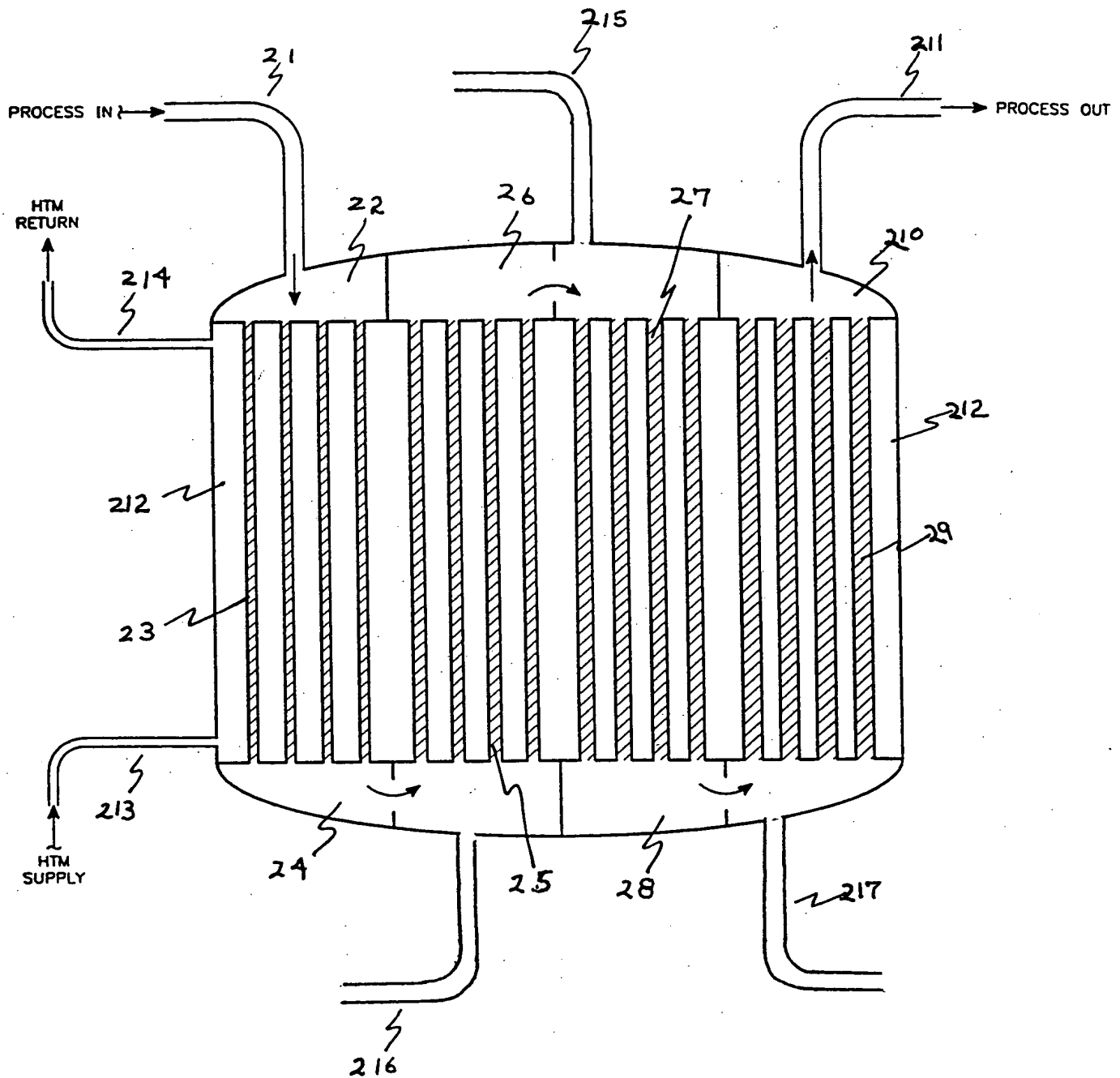
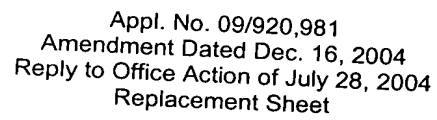


FIGURE 4

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A schematic diagram of a process heat exchanger, likely a shell-and-tube or plate heat exchanger, showing multiple fluid streams. The central component is a cylindrical vessel with a bundle of vertical tubes. The top and bottom of the vessel are connected to various pipes. The following labels and arrows indicate the flow of different streams:

- PROCESS IN:** An arrow pointing into a pipe at the top left, labeled 21.
- PROCESS OUT:** An arrow pointing out of a pipe at the top right, labeled 211.
- HTM RETURN:** An arrow pointing out of a pipe on the left side, labeled 214.
- HTM SUPPLY:** An arrow pointing into a pipe on the left side, labeled 213.
- Internal Labels:** The central tube bundle is labeled 23. The top and bottom headers are labeled 26 and 27 respectively. The top and bottom flanges are labeled 210 and 217. The top and bottom support structures are labeled 215 and 216. The top and bottom connection points are labeled 22 and 28. The top and bottom connection points are labeled 24 and 25.

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